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Faunistic records of Depressariidae (Lepidoptera, Gelechioidea) from Turkey - a result of studies for „Microlepidoptera of Europe: Depressariinae“

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Abstract: Faunistic records of Depressariidae (Lepidoptera, Gelechioidea) from Turkey - a result of studies for „Microlepidoptera of Europe: Depressariinae“. *Cesa News* 134: 1-34.

Faunistic records of 63 species of Depressariidae are presented. Totally 33 of them are new for the fauna of Turkey. Besides, numerous provincial new records are mentioned. Additionally, collecting information, including all label data are given to each species. Moths of each, and genitalia of 50 species are illustrated. To some species comments on determination and/or distribution are also added.

Keywords: Lepidoptera, Depressariidae, Depressariinae, *Agonopterix*, *Depressaria*, *Exaeretia*, fauna, Turkey.

Introduction

Depressariidae as a family initially included the genera *Semioscopis*, *Luquetia*, *Levipalpus*, *Exaeretia*, *Agonopterix* and *Depressaria* (Depressariidae Meyrick, 1883). According to van Nieukerken et al. (2011) it became a subfamily of the Elachistidae, before being reduced to a tribe (Depressariini, subfamily Depressariinae, Elachistidae). Heikkilä et al. (2014) again separate Depressariinae from Elachistidae and propose a wider concept of Depressariidae. Here this view is followed.

Author's work on Depressariidae started 2010 as a co-author of "Microlepidoptera of Europe [ME]: Depressariidae". Specimens of many collections had been checked, here only listed if specimens of Turkey are found within: NHMV (Natural History Museum Vienna, Austria), TLMF (Tiroler Landesmuseum Ferdinandeum, Innsbruck, Austria), ZSM (Zoologische Staatssammlung München, Germany) ZMUC (Zoological Museum, University of Copenhagen, Denmark), MHNG

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(Muséum d'histoire naturelle de la Ville de Genève, Switzerland), the private collections of Knud Larsen (Denmark), Günther Baisch (Germany), Cs. Szaboky (Hungary), Jari Junnilainen and Kari Nupponen (Finland).

To study species, which are found only very rare in Europe, because they have the focus of their distribution area outside of Europe, also a lot of material from Asia had been checked. This examination resulted in records of 63 species of Depressariinae (genera *Agonopterix*, *Depressaria* and *Exaeretia*) from Turkey, which are presented here.

All species of Depressariidae are listed, whether they are frequent or rare, in an alphabetic order. All specimens studied by the author have an individual number, which starts with „DEEUR“ („Depressariidae of Europe“). This number had been added both to the faunistic records (after the collecting date) and to the photos (as an insert). All determinations, slides and photos made by the author, if not specified. Records without DEEUR-number had not been checked by the author, if not mentioned separately.

New faunistical records for Turkey are marked with “*” (Koçak & Kemal, 2009).

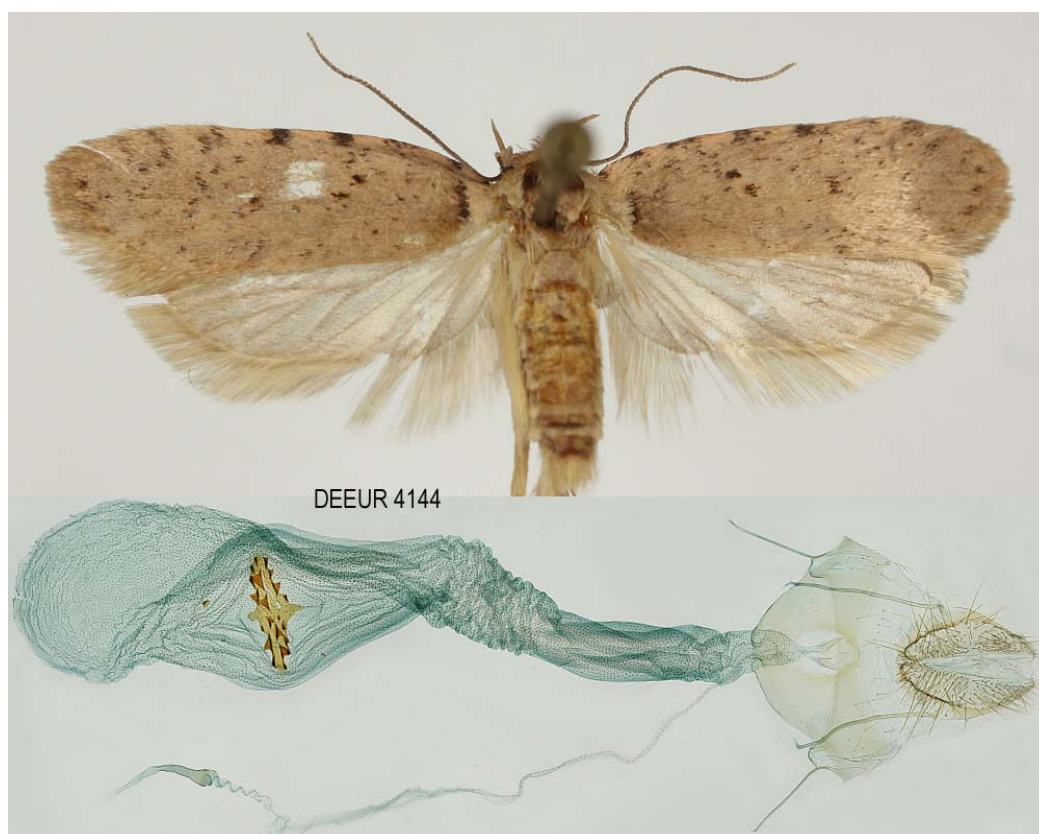
Faunistic records

1. *Agonopterix adpersella* (Kollar, 1832)

NW Turkey, Bolu Province, Fakılar geçidi, 1100m, 30 6 1987, ♀, GP DEEUR 2354, leg. M. Fibiger, coll. ZMUC

S Turkey, Urfa Province, Euphrat valley 8 km N of Halfeti, 500m, 25 5 1990, ♀, GP DEEUR 4144, leg. & coll. Cs. Szabóky

These records are new to Bolu and Urfa Provinces (Koçak & Kemal, 2009).



Figs. 1a, 1b - *Agonopterix adpersella*. Upperside of female (wingspan 22 mm) and genitalia GP DEEUR 4144, Urfa Province, Euphrat valley 8 km N of Halfeti, 500m, 25 5 1990, leg. & coll. Cs. Szabóky

2. *Agonopterix alstromeriana* (Clerck, 1759)

N Turkey, Amasya Province, Sakarat Dağı near Karataş, 1700m, 24 7 1998, DEEUR 3176, leg. & coll. K. Larsen
Central Turkey, Yozgat Province, Yozgat, 1600m, 22 7 2000, DEEUR 3238, leg. & coll. K. Larsen

Central Turkey, Konya Province, Ivriz, 1100m, 28 7 1997, DEEUR 3334, leg. & coll. K. Larsen
SW Turkey, Isparta Province, 35 km SW Akşehir, 1200m, 3 5 1996, 2♂, leg., det. & coll. J. Junnilainen

These records are new to all provinces mentioned above (Koçak & Kemal, 2009).



Fig. 2 - *Agonopterix alstromeriana*. Upperside (forewing 8 mm, estimated wingspan 18 mm), Amasya Province, Sakarat Dağı near Karataş, 1700m, 24 7 1998, DEEUR 3176, leg. & coll. K. Larsen

3. *Agonopterix assimilella* (Treitschke, 1832)

S Turkey, Antalya Province, 20 km SW Antalya, 1200m, 12. 6 1999, 1♂, leg., det. & coll. J. Junnilainen.
SW Turkey, Isparta Province, 35 km SW Akşehir, 1200m, 13. 5 2000, 1♂, leg., det. & coll. J. Junnilainen.

These records are new to Antalya and Isparta Provinces (Koçak & Kemal, 2009).

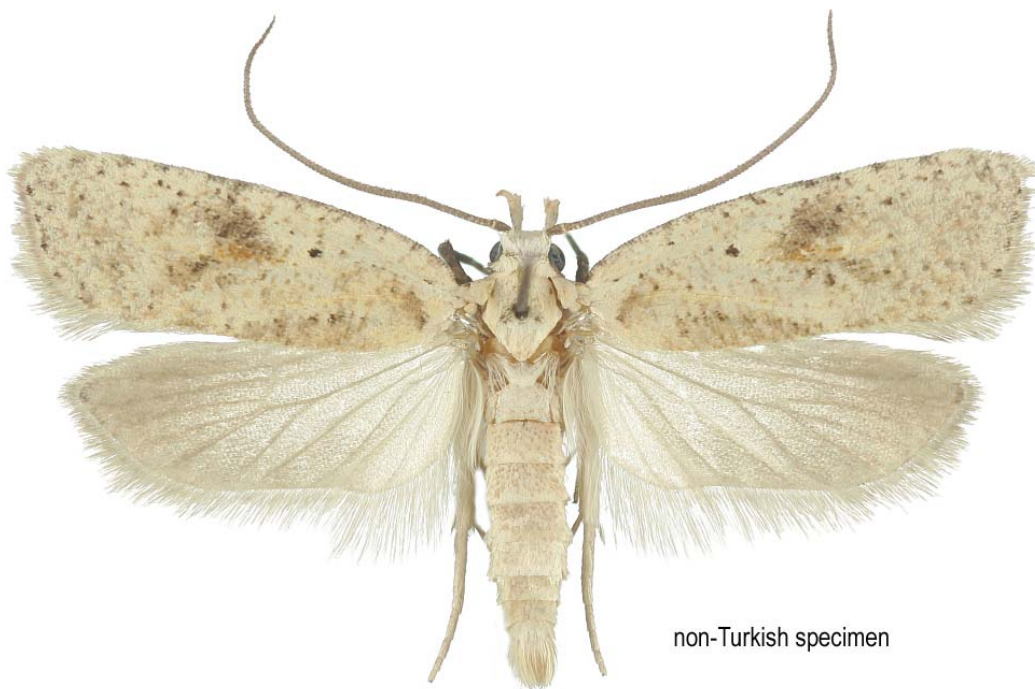
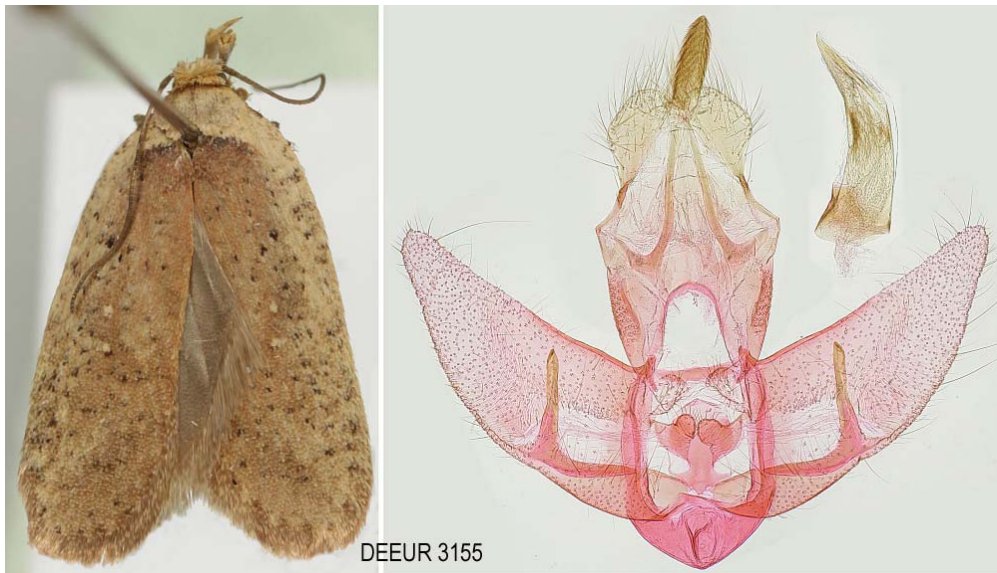


Fig. 3 - *Agonopterix assimilella*. Upperside male (wingspan 17,5 mm), Austria, 29 7 1972, DEEUR 0136, leg. F. Kasy, & coll. NHMV (no photo of a Turkish specimen available)

4. *Agonopterix atomella* ([Denis & Schiffermüller], 1775)

NE Turkey, Artvin Province, Kaçkar Dağları, 23 km W Sarigöl, 2000m, 20 7 1993, ♂, GP DEEUR 3155, leg. & coll. K. Larsen
N Turkey, Tokat Province, Niksar 8 km N Ecentes, 870m, 13 7 2000, DEEUR 3349, leg. & coll. K. Larsen

These records are new to Artvin and Tokat Provinces (Koçak & Kemal, 2009).



Figs. 4a,4b - *Agonopterix atomella*. Upperside male (forewing 9 mm, estimated wingspan 20 mm) and genitalia GP DEEUR 3155, Artvin Province, Kaçkar Dağları, 23 km W Sarigöl, 2000m, 20 7 1993, leg. & coll. K. Larsen

5. *Agonopterix capreolella* (Zeller,1839)

Central Turkey, Yozgat Province, Çiçek Dağları, 1300m, 30 6 2001, ♂, GP DEEUR 4363, leg. & coll. G. Baisch
 NE Turkey, Kars Province, Kağızman, 1500m, 11 9 1993, ♂, GP DEEUR 2368, leg. M. Fibiger, coll. ZMUC
 NE Turkey, Gümüşhane Province, Kösedagı geçidi, 1850m, 16 7 2000, DEEUR 3351, leg. & coll. K.Larsen
 Central Turkey, Konya Province, Ivriz, 1100m, 28 7 1997, ♂, GP DEEUR 3335, leg. & coll. K. Larsen
 SW Turkey, Isparta Province, Sultan Dağları, 9 7 2001, DEEUR 3132, leg. & coll. K.Larsen

These records are new to all Provinces mentioned above (Koçak & Kemal, 2009).



Figs. 5a,5b - *Agonopterix capreolella*. Upperside male (wingspan 16 mm) and genitalia GP DEEUR 4363, Yozgat Province, Çiçek Dağları, 1300m, 30 6 2001, leg. & coll. G. Baisch

6. *Agonopterix cilella* (Stainton,1849)*

E Turkey, Erzurum Province, 50 km NE Erzurum, 1600m, 17 9 1993, ♂, GP DEEUR 2377, leg. M. Fibiger, coll. ZMUC

This record is also new to Erzurum Province (Koçak & Kemal, 2009).



Figs. 6a,6b - *Agonopterix ciliella*. Upperside male (wingspan 22 mm) and genitalia GP DEEUR 2377, Erzurum Province, 50 km NE Erzurum, 1600m, 17 9 1993, leg. M. Fibiger, coll. ZMUC

7. *Agonopterix cnicella* (Treitschke, 1832)

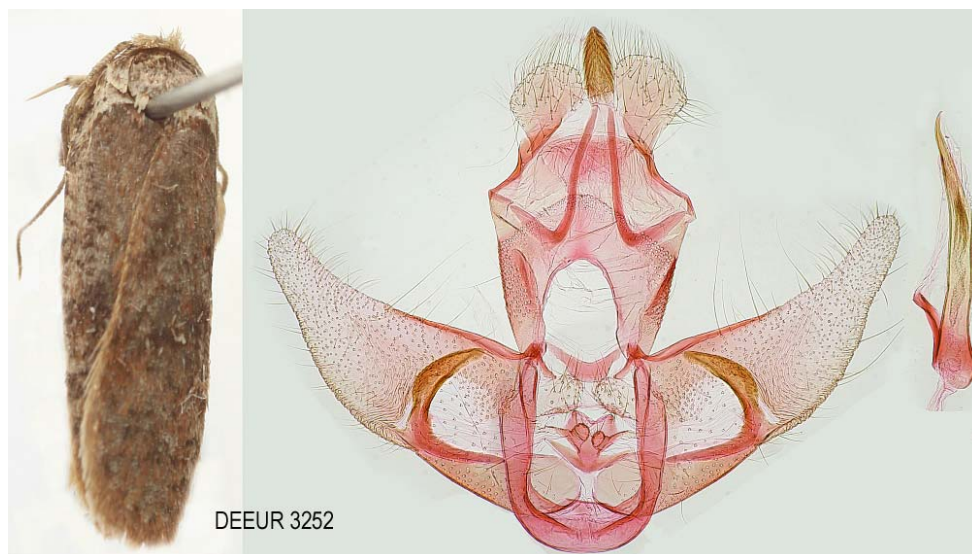
E Turkey, Erzincan Province, Kalecik, 1700m, 17 7 2000, DEEUR 3361, leg. & coll. K. Larsen

E Turkey, Malatya Province, Gündüzbey, 1300m, 26 7 1998, DEEUR 3391, leg. & coll. K. Larsen

E Turkey, Elazığ Province, Hazar Gölü, 17 6 1991, DEEUR 4112, leg. & coll. Cs. Szaboky

S Turkey, Adana Province, Saimbeyli, 1200m, 29 7 1998, ♂, GP DEEUR 3252, leg. & coll. K. Larsen

These records are new to all Provinces mentioned above (Koçak & Kemal, 2009).



Figs. 7a, 7b - *Agonopterix cnicella*. Upperside male (forewing 8,5 mm, estimated wingspan 19 mm) and genitalia GP DEEUR 3252, Adana Province, Saimbeyli, 1200m, 29 7 1998, leg. & coll. K. Larsen

8. *Agonopterix comitella* (Lederer, 1855)

S Turkey, Antalya Province, Manavgat, Side, 16 5 1990, 5♂ 3♀, ex larva 1995, leg., det. & coll. J. Junnilainen.

This record is new to Antalya Province (Koçak & Kemal, 2009).



Fig. 8 - *Agonopterix comitella*. Upperside male (wingspan 24 mm), Israel, Jerusalem, DEEUR 5149, 10 5 1930, e.l. *Anagyris foetida*, leg. H.G.Amsel, coll. ZSM (no photo of a Turkish specimen available)

9. *Agonopterix curvipunctosa* (Haworth,[1811])

NE Turkey, Kars Province, Pash geçidi, 2020m, 10 9 1993, DEEUR 2502, leg. M. Fibiger, coll. ZMUC

NE Turkey, Kars Province, Karakurt, 1550m, 2 7 2001, ♂, GP DEEUR 3170, leg. & coll. K. Larsen

NE Turkey, Erzurum Province, Kop geçidi, 1750m, 16 9 1993, DEEUR 2375, leg. M. Fibiger, coll. ZMUC

These records are new to Kars and Erzurum Provinces (Koçak & Kemal, 2009).

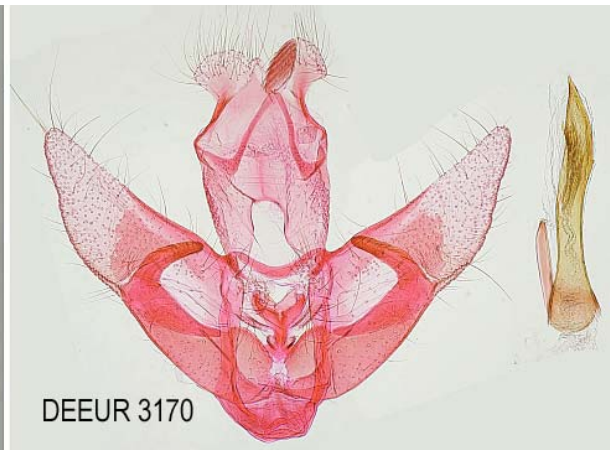


Fig. 9a - *Agonopterix curvipunctosa* upperside male (wingspan 17 mm) Erzurum Province, Kop geçidi, 1750m, 16 9 1993, DEEUR 2375, leg. M. Fibiger, coll. ZMUC. **Fig. 9b** - Male genitalia of the same species GP DEEUR 3170, Kars Province, Karakurt, 1550m, 2 7 2001, leg. & coll. K. Larsen.

10. *Agonopterix dideganella* (Amsel,1972)*

This species had been described from South Iran (Amsel, 1972)

The following records are also new to Gümüşhane, Erzincan, and Elazığ Provinces (Koçak & Kemal, 2009).

NE Turkey, Gümüşhane Province, Köseadağı geçidi, 1850m, 16 7 2000, ♂, GP DEEUR 3350, leg. & coll. K.Larsen

E Turkey, Erzincan Province, Kızıldağ , 2100m, 18 7 1989, leg. Fibiger & Esser, coll. ZMUC, det. A. Lvovsky

E Turkey, Elazığ Province, Hazar Gölü, 17 6 1991, ♂, GP DEEUR 4410, leg. & coll. Cs. Szaboky



Figs. 10a,10b - *Agonopterix dideganella*. Upperside male (wingspan 19 mm) and genitalia GP DEEUR 4110, Elazığ Province, Hazar Gölü, 17 6 1991, leg. & coll. Cs. Szaboky

11. *Agonopterix doronicella* (Wocke,1849)*

N Turkey, Amasya Province, Sakarat Dağı near Karataş, 1700m, 24 7 1998, ♀, DEEUR 3181, leg. & coll. K. Larsen
SW Turkey, Isparta Province, Sultan Dağları 30 km SW Akşehir, 16 7 1998, 2♂, leg., det. & coll. J. Junnilainen

These records are also new to Amasya and Isparta Provinces (Koçak & Kemal, 2009).
Fresh specimens can be determined by the distinct wing pattern without dissection.



Fig. 11 - *Agonopterix doronicella*. Upperside (forewing 8 mm, estimated wingspan 18 mm), Amasya Province, Sakarat Dağı near Karataş, 1700m, 24 7 1998, DEEUR 3181, leg. & coll. K. Larsen

12. *Agonopterix ferocella* (Chrétien,1910)

Central Turkey, Sivas Province, 24 km E Zara, 1750m, 20 9 1991, DEEUR 3250, leg. F. Schepler, coll. ZMUC
Central Turkey, Kayseri Province, 8 km SE Pınarbası, 26 9 1991, DEEUR 3251, leg. F. Schepler, coll. ZMUC
Central Turkey, Ankara Province, Kızılcahamam, 17 10 1991, ♂, GP DEEUR 2352, leg. F. Schepler, coll. ZMUC
SW Turkey, Isparta Province, 35 km SW Akşehir, 13 5 2000, 8♂ 2♀, leg., det. & coll. J. Junnilainen

These records are new to all Provinces mentioned above (Koçak & Kemal, 2009).



Fig. 12a *Agonopterix ferocella*. Upperside male (wingspan 17 mm) Sivas Province, 24 km E Zara, 1750m, 20 9 1991, DEEUR 3250, leg. F. Schepler, coll. ZMUC. **Fig. 12b** - Male genitalia of the same species GP DEEUR 3252, Ankara Province, Kızılcahamam, 17 10 1991, leg. F. Schepler, coll. ZMUC

13. *Agonopterix flurii* Sonderegger, 2013*

Central Turkey, Ankara Province, 20 km W Kızılcahamam, 30 6 1970, ♂, GP DEEUR 0862, leg. J. Klimesch, coll. ZSM
E Turkey, Ağrı Province, 15 km E Horasan, 1500m, 13 5 1992, ♂, GP DEEUR 4097, leg. & coll. Cs. Szaboky

These records are also new to Ankara and Ağrı Provinces (Koçak & Kemal, 2009).

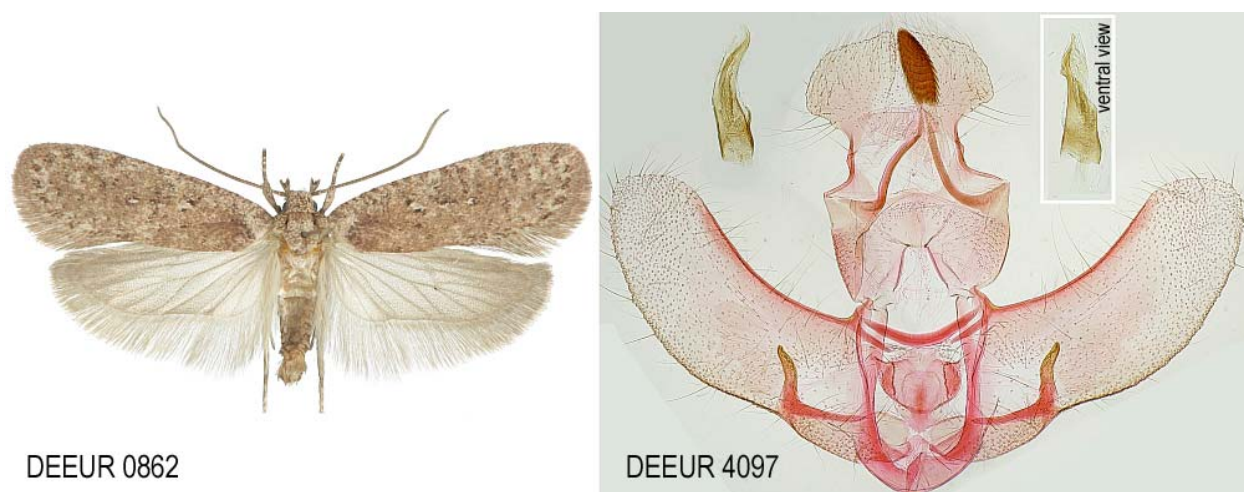


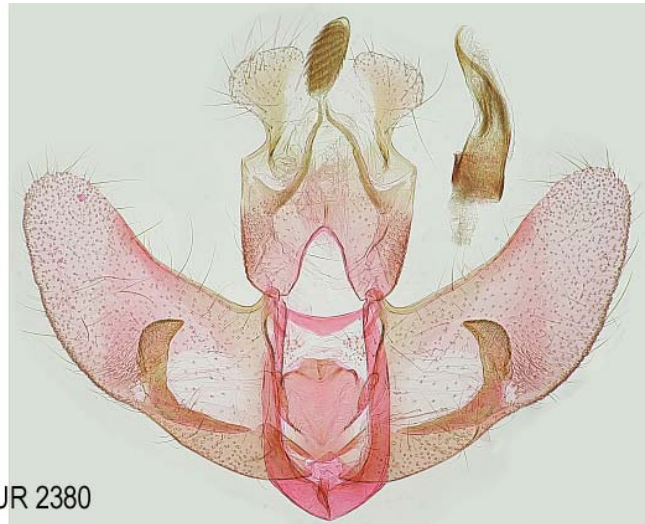
Fig. 13a *Agonopterix flurii*. Upperside male (wingspan 17 mm) Ankara Province, 20 km W Kızılcahamam, 30 6 1970, DEEUR 0862, leg. J. Klimesch, coll. ZSM. **Fig. 13b** - Male genitalia of the same species GP DEEUR 4097, Ağrı Province, 15 km E Horasan, 1500m, 13 5 1992, leg. & coll. Cs. Szaboky

This species had been described from Switzerland (Sonderegger, 2013) and a few weeks later as *A. centaureivora* independently from France (Rymarczyk et al, 2013a). Larvae had been reared from *Centaurea scabiosa*, which is the only known foodplant so far.

14. *Agonopterix kuznetzovi* Lvovsky, 1983*

NE Turkey, Kars Province, Karakurt, 1450m, 12 9 1993, ♂, GP DEEUR 2380, leg. M. Fibiger, coll. ZMUC

This record is also new to Kars Province (Koçak & Kemal, 2009).



DEEUR 2380

Figs. 14a,14b - *Agonopterix kuznetzovi*. Upperside male (wingspan 20 mm) and genitalia GP DEEUR 2380, Kars Province, Karakurt, 1450m, 12 9 1993, leg. M. Fibiger, coll. ZMUC

15. *Agonopterix laterella* ([Denis & Schiffermüller],1775)

Central Turkey, Ankara Province, Kızılcahamam, 17 10 1991, ♂, GP DEEUR 2357, leg. F. Schepler, coll. ZMUC

This record is new to Ankara Province (Koçak & Kemal, 2009).



DEEUR 2357



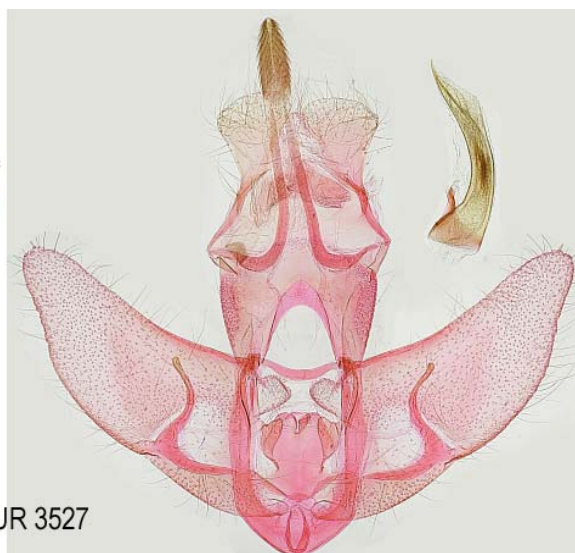
Fig. 15a - *Agonopterix laterella*. Upperside male (wingspan 24 mm) Ankara Province, Kızılcahamam, 17 10 1991, DEEUR 2357, leg. F. Schepler, coll. ZMUC. **Fig. 15b**- Male genitalia of the same species GP DEEUR 0708, Italy, Friaul, e.l. *Centaurea montana* 22 2 1960, coll NHMV (this slide had been selected as an example for male genitalia, because from the Turkish specimen no genitalia photo was available)

16. *Agonopterix latipennella* (Zerny,1934)

SE Turkey, Diyarbakır Province, Ergani, 22 11 1939, ♂, GP DEEUR 3527, coll. MHNG

E Turkey, Elazığ Province, Hazar Gölü, 17 6 1991, ♀, GP DEEUR 4088, leg. & coll. Cs. Szaboky

These records are new to Diyarbakır and Elazığ Provinces (Koçak & Kemal, 2009).



DEEUR 3527

Figs. 16a,16b - *Agonopterix latipennella*. Upperside male (wingspan 28 mm) and genitalia GP DEEUR 3527, Elazığ Province, Ergani, 22 11 1939, coll. MHNG

17. *Agonopterix liturosa* (Haworth,[1811])*

N Turkey, Amasya Province, Sakarat Dağı near Karataş, 1700m, DEEUR 3177, 24 7 1998, leg. & coll. K.Larsen
E Turkey, Erzincan Province, Kalecik, 1600m, 15 7 2000, DEEUR 3318, leg. & coll. K. Larsen

These records are also new to Amasya and Erzincan Provinces (Koçak & Kemal, 2009). Genitalia not clearly different from those of *Agonopterix conterminella*, better determinable externally by yellow thorax and more bright redish brown ground colour of forewings. Biology may also help: *A. liturosa* lives on *Hypericum*, *A. conterminella* on *Salix*. In cases of doubt, DNA examination can clarify the determination.



DEEUR 3318

Fig. 17 - *Agonopterix liturosa*. Upperside male (forewing 8 mm, estimated wingspan 18 mm) Erzincan Province, Kalecik, 1600m, 15 7 2000, DEEUR 3318, leg. & coll. K. Larsen

18. *Agonopterix medelichensis* Buchner,2015*

Central Turkey, Afyonkarahisar Province, 14 km S Çay, 1760m, 10 7 2001, ♀, GP DEEUR 3267, leg. & coll. K. Larsen
Central Turkey, Nevşehir Province, Göreme, 6 10 1993, ♂, GP DEEUR 2470, leg. F. Schepler, coll. ZMUC
SW Turkey, Isparta Province, 35 km SW Akşehir, 1200m, 13. 5 2000, 1♂,2♀, leg., & coll. J. Junnilainen, det. P. Buchner.

These records are new to all Provinces mentioned above (Koçak & Kemal, 2009). In the past, this species had been mixed up with *Agonopterix rotundella*, and under this name it had been reported from Russia (Lvovsky, 2013)



Figs. 18a,18b - *Agonopterix medelichensis*. Upperside male (wingspan 17 mm) and genitalia GP DEEUR 2470, Nevşehir Province, Göreme, 6 10 1993, leg. F. Schepler, coll. ZMUC

19. *Agonopterix nervosa* (Haworth,[1811])

NE Turkey, Ağrı Province, 16 km S Kağızman, 1575m, 23 7 1989, ♀, GP DEEUR 3395, leg. M. Fibiger, coll. K. Larsen
Central Turkey, Konya Province, Ivriz, 1100m, 28 7 1997, DEEUR 3336, leg. & coll. K. Larsen
E Turkey, Erzincan Province, Kalecik, 1600m, 15 7 2000, DEEUR 3329, leg. & coll. K. Larsen
S Turkey, Niğde Province, Bolkar Dağları N slope, 2100m, 28 8 1994, DEEUR 2725, leg. & coll. K.Larsen

These records are new to all Provinces mentioned above (Koçak & Kemal, 2009).



Fig. 19a - *Agonopterix nervosa*. Upperside (wingspan 21 mm) Niğde Province, Bolkar Dağları N slope, 2100m, 28 8 1994, DEEUR 2725, leg. & coll. K.Larsen. **Fig. 19b** - Female genitalia of the same species GP DEEUR 3395, Ağrı Province, 16 km S Kağızman, 1575m, 23 7 1989, leg. M. Fibiger, coll. K. Larsen

20. *Agonopterix oinochroa* (Turati,1879)*

E Turkey, Erzincan Province, Kalecik, 1600m, 17 7 2000, DEEUR 3364, leg. & coll. K. Larsen
E Turkey, Malatya Province, Gündüzbey, 1300m, 26 7 1998, ♂, GP DEEUR 3208, leg. & coll. K. Larsen
Central Turkey, Yozgat Province, Yozgat, 1600m, 22 7 2000, DEEUR 3240, leg. & coll. K. Larsen
S Turkey, Adana Province, Saimbeyli, 1700m, 6 7 1997, DEEUR 3300, leg. & coll. K. Larsen

These records are also new to all Provinces mentioned above (Koçak & Kemal, 2009).
Fresh specimens can be determined by the distinct red scales surrounding the white forewing dots.



Fig. 20a - *Agonopterix oinochroa*. Upperside (forewing 7,5 mm, estimated wingspan 17 mm) Province, Saimbeyli, 1700m, 6 7 1997, DEEUR 3300, leg. & coll. K. Larsen. **Fig. 20b**- Male genitalia of the same species GP DEEUR 3208, Malatya Province, Gündüzbey, 1300m, 26 7 1998, leg. & coll. K. Larsen

21. *Agonopterix pallorella* (Zeller,1839)

NE Turkey, Erzincan Province, Kemah, 1100m, 2 8 1997, DEEUR 3284, leg. & coll. K. Larsen

Central Turkey, Sivas Province, Gürün, 1650m, 27 7 1989, ♂, GP DEEUR 3397, leg. Fibiger & Esser, coll. K. Larsen

SW Turkey, Isparta Province, 35 km SW Akşehir, 9.-29. 5 2000, 3♂, leg., det. & coll. J. Junnilainen

These records are new to all Provinces mentioned above (Koçak & Kemal, 2009).



Fig. 21a - *Agonopterix pallorella*. Upperside (forewing 9,5 mm, estimated wingspan 21 mm) Erzincan Province, Kemah, 1100m, 2 8 1997, DEEUR 3284, leg. & coll. K. Larsen. **Fig. 21b**- Male genitalia of the same species GP DEEUR 3397, Sivas Province, Gürün, 1650m, 27 7 1989, leg. Fibiger & Esser, coll. K. Larsen

22. *Agonopterix purpurea* (Haworth,[1811])

N Turkey, Amasya Province, Sakarat Dağı near Karataş, 1700m, 24 7 1998, DEEUR 3179, leg. & coll. K. Larsen

N Turkey, Giresun Province, Şebinkarahisar, 1140m, 18 7 2000, ♀, DEEUR 3371, leg. & coll. K. Larsen

Central Turkey, Yozgat Province, Yozgat, 1600m, 22 7 2000, DEEUR 3241, leg. & coll. K. Larsen

SW Turkey, Denizli Province, Babadağ, 900m, 2 7 1997, DEEUR 3126, leg. M. Fibiger, coll. K. Larsen

SW Turkey, Isparta Province, 35 km SW Akşehir, 1200m, 13. 5 2000, 1♂, leg., det. & coll. J. Junnilainen
 S Turkey, Adana Province, Saimbeyli, 1200m, 29 7 1998, DEEUR 3258, leg. & coll. K. Larsen
 S Turkey, Mersin (İçel) Province, Anamur, 500m, 5 10 1995, DEEUR 3338, leg. & coll. K. Larsen

These records are new to all Provinces mentioned above (Koçak & Kemal, 2009).

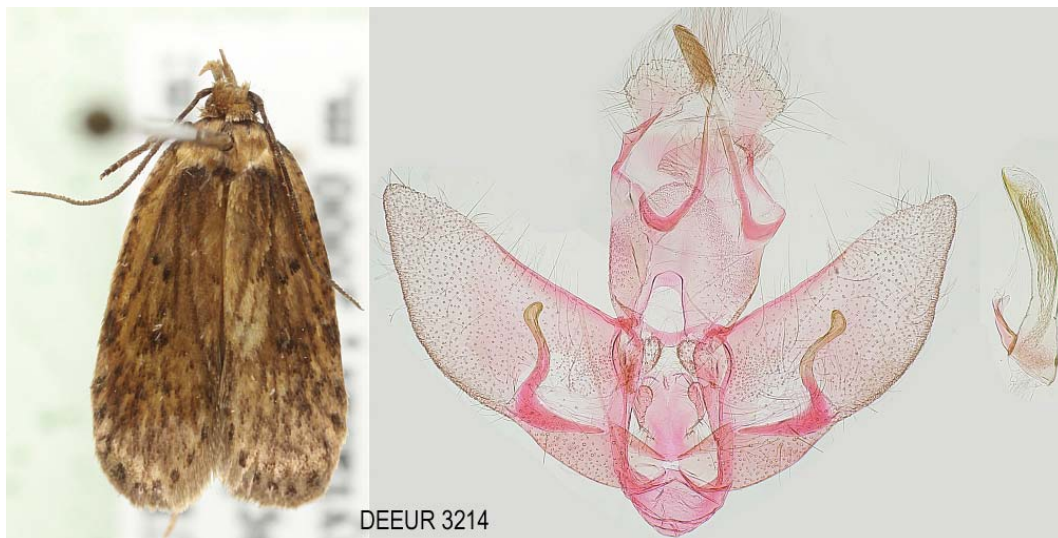


Fig. 22- *Agonopterix purpurea*. Upperside (wingspan 15 mm), Denizli Province, Babadağ, 900m, 2 7 1997, DEEUR 3126, leg. M. Fibiger, coll. K. Larsen

23. *Agonopterix putridella* ([Denis & Schiffermüller], 1775)*

NE Turkey, Gümüşhane Province, Köse dağı geçidi, 1850m, 16 7 2000, ♂, GP DEEUR 3360, leg. & coll. K. Larsen
 NE Turkey, Artvin Province, Kaçkar, Yaylalar, 2000m, 6 7 2001, ♂, GP DEEUR 3214, leg. & coll. K. Larsen

These records are also new to Gümüşhane and Artvin Provinces (Koçak & Kemal, 2009).



Figs. 23a, 23b - *Agonopterix putridella*. Upperside (forewing 7 mm, estimated wingspan 16 mm) and male genitalia GP DEEUR 3214, Artvin Province, Kaçkar, Yaylalar, 2000m, 6 7 2001, leg. & coll. K. Larsen

24. *Agonopterix rotundella* (Douglas, 1846)

N Turkey, Amasya Province, Ak Dağ, 1950m, 20 7 2000, DEEUR 2325, leg. & coll. K. Larsen

Most similar to *Agonopterix nodiflorella* and not recognizable from this species by dissection. It is easily distinguished externally: *A. rotundella* has only a single central dot, while in *A. nodiflorella* usually there are two dots. Foodplant is also different: *Daucus* (*A. rotundella*) and *Ferula* (*A. nodiflorella*). Worn specimens may be only determinable by DNA-examination.



Fig. 24 - *Agonopterix rotundella*. Upperside (forewing 7 mm, estimated wingspan 16 mm Amasya Province, Ak Dağ, 1950m, 20 7 2000, DEEUR 2325, leg. & coll. K. Larsen

25. *Agonopterix scopariella* (Heinemann, 1870)*

SW Turkey, Muğla Province, Dalaman, 20 5 2008, DEEUR 1511, leg. & coll. R. Keller

SW Turkey, Denizli Province, Babadağ, 900m, 2 7 1997, DEEUR 3127, leg. M. Fibiger, coll. K. Larsen

S Turkey, İçel (=Mersin) Province, Anamur, 500m, 5 10 1995, DEEUR 3337, leg. & coll. K. Larsen

S Turkey, Antalya Province, Alanya, 800m, 20 7 1998, DEEUR 3298, leg. & coll. K. Larsen

These records are also new to all Provinces mentioned above (Koçak & Kemal, 2009).



Fig. 25 *Agonopterix scopariella*. Upperside (wingspan 21 mm) Denizli Province, Babadağ, 900m, 2 7 1997, DEEUR 3127, leg. M. Fibiger, coll. K. Larsen

A. scopariella is the commonest *Agonopterix*-species in mediterranean area in Europe, and likely in Turkey as well. Usually it is easily recognizable by the combination of complete central forewing pattern (that means two pairs of dots on each forewing: two oblique dots consisting of black and white elements at $1/3$ and also two such dots at $1/2$) and outer forewing margin straight or even concave. Sometimes it is confused with *A. subpropinqua*, but this species has no white elements in forewing dots.

26. *Agonopterix squamosa* (Mann, 1864)

NE Turkey, Gümüşhane Province, Kop geçidi, 2400m, 14 9 1993, ♂, GP DEEUR 2387, leg. M. Fibiger, coll. ZMUC

Central Turkey, Sivas Province, Gürün, 1650m, 27 7 1989, ♂, GP DEEUR 3396, leg. Fibiger & Esser, coll. K. Larsen

Central Turkey, Afyonkarahisar Province, 14 km S Çay, 1760m, 10 7 2001, ♂, GP DEEUR 3266, leg. & coll. K. Larsen

SW Turkey, Isparta Province, Bağkonak, 22 7 1996, DEEUR 2383, leg. K.E.Stovgard, coll. ZMUC

S Turkey, Adana Province, 12 km N Pozanti, 18 5 1989, DEEUR 4342, leg. & coll. G. Baisch

These records are new to all Provinces mentioned above (Koçak & Kemal, 2009).

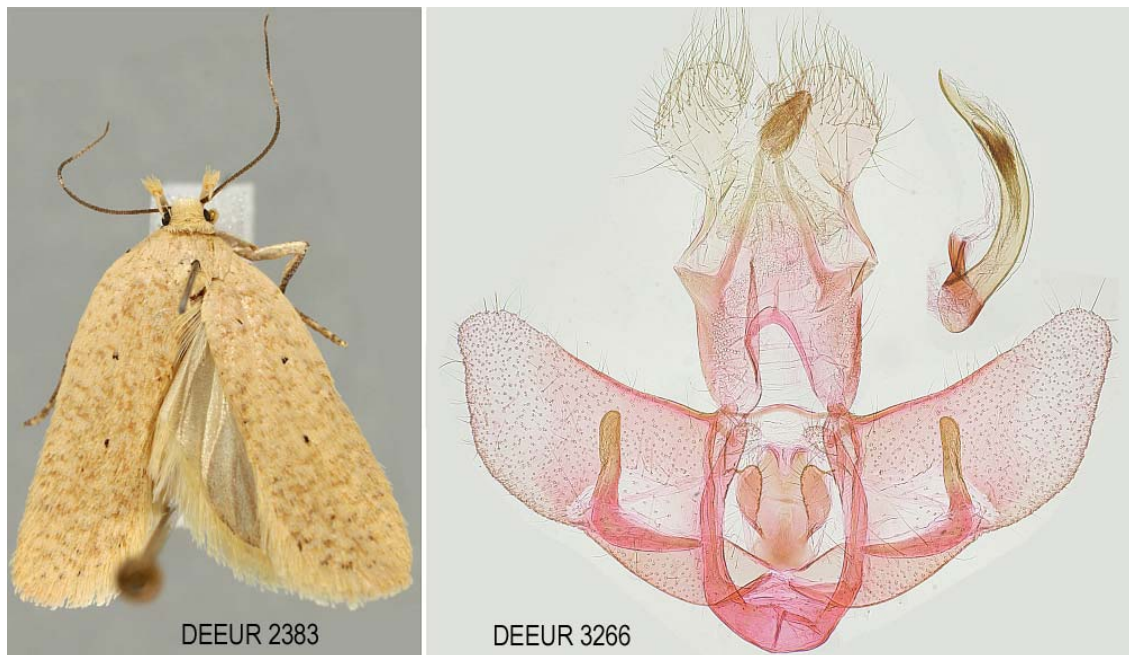


Fig. 26a *Agonopterix squamosa*. Upperside (forewing 9,5 mm, estimated wingspan 21 mm) Isparta Province, Bağkonak, 22 7 1996, DEEUR 2383, leg. K.E.Stovgard, coll. ZMUC. **Fig. 26b** - Male genitalia of the same species GP DEEUR 3266, Afyonkarahisar Province, 14 km S Çay, 1760m, 10 7 2001, leg. & coll. K. Larsen

27. *Agonopterix subpropinquella* (Stainton, 1849)

E Turkey, Malatya Province, Gündüzbey, 1300m, 26 7 1998, ♀, GP DEEUR 3198, leg. & coll. K. Larsen
SE Turkey, Diyarbakır Province, Ergani, 11 11 1939, ♀, GP DEEUR 3529, coll. MHNG
S Turkey, Adana Province, Saimbeyli, 1200m, 29 7 1998, DEEUR 3251, leg. & coll. K. Larsen
S Turkey, Antalya Province, Saklıkent, 1850m, 19 10 2000, ♂, GP DEEUR 3100, leg. P. Svendsen, coll. K. Larsen
S Turkey, Antalya Province, Manavgat, Side, 16 5 1990, 5♂ 3♀, ex larva 1995, leg., det. & coll. J. Junnilainen.

These records are new to all Provinces mentioned above (Koçak & Kemal, 2009).



Fig. 27a *Agonopterix subpropinquella*. Upperside female (wingspan 20 mm) Diyarbakır Province, Ergani, 11 11 1939, DEEUR 3529, coll. MHNG. **Fig. 27b** Male genitalia of the same species GP DEEUR 3100, Antalya Province, Saklıkent, 1850m, 19 10 2000, leg. P. Svendsen, coll. K. Larsen

28. *Agonopterix subumbellana* Hannemann, 1959

Central Turkey, Yozgat Province, 5 km S Boğazkale, 1200m, 23 7 2000, ♀, GP DEEUR 3374, leg. & coll. K. Larsen
Central Turkey, Nevşehir Province, Ürgüp, 1100m, 20 6 1995, DEEUR 4338, leg. & coll. G. Baisch
Central Turkey, Niğde Province, Sivrihisar geçidi, 1700m, 4 8 1989, ♂, GP DEEUR 3776, leg. Fibiger & Esser, coll. ZMUC
Central Turkey, Sivas Province, Gökpınar, 1500m, 1 8 1997, DEEUR 3303, leg. & coll. K. Larsen
SW Turkey, Isparta Province, 30 km Akşehir, 16 7 1998, 2 ♂, leg., det. & coll. J. Junnilainen

E Turkey, Malatya Province, Gündüzbey, 1300m, 26 7 1998, ♂, GP DEEUR 3209, leg. & coll. K. Larsen
E Turkey, Erzincan Province, Kalecik, 1600m, 15 7 2000, ♀, GP DEEUR 3333, leg. & coll. K. Larsen

These records are new to all Provinces mentioned above (Koçak & Kemal, 2009).

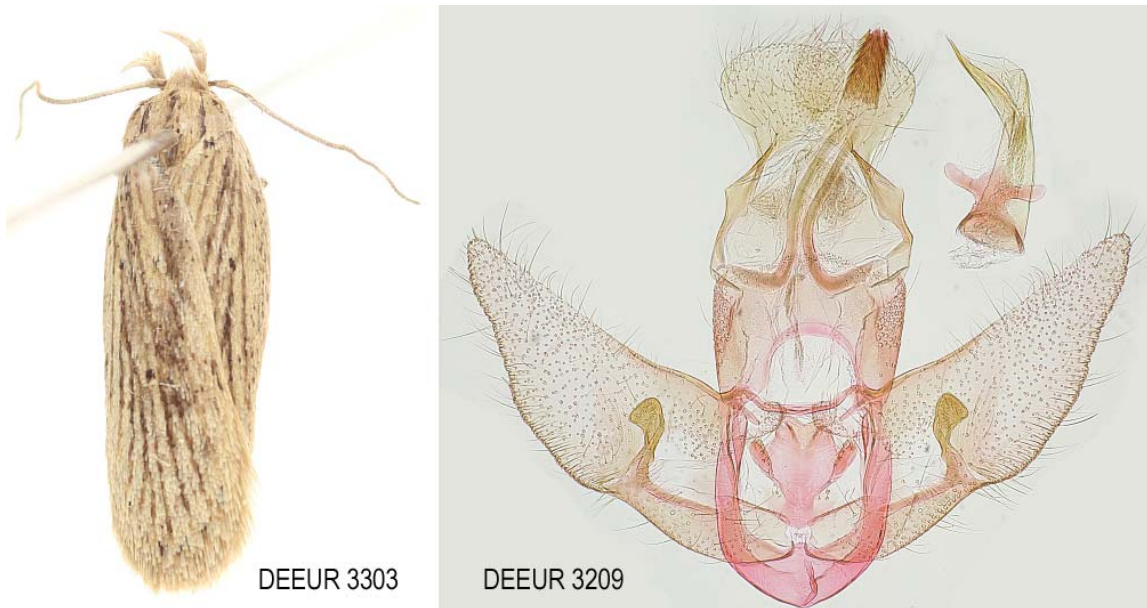


Fig. 28a *Agonopterix subumbellana*. Upperside (forewing 9 mm, estimated wingspan 20 mm) Sivas Province, Gökpınar, 1500m, 1 8 1997, DEEUR 3303, leg. & coll. K. Larsen. - **Fig. 28b** Male genitalia of the same species GP DEEUR 3209, Malatya Province, Gündüzbey, 1300m, 26 7 1998, leg. & coll. K. Larsen

29. *Agonopterix tripunctaria* Bucher, 2015*

Central Turkey, Kayseri Province, Erciyes Dağı, 28 9 1993, ♂, GP DEEUR 2388, leg. F. Schepler, coll. ZMUC
Central Turkey, Nevşehir Province, near Ürgüp, 29 7 1996, DEEUR 2382, leg. K.E.Stovgaard, coll. ZMUC

These records are also new to Kayseri and Nevşehir Provinces (Koçak & Kemal, 2009).

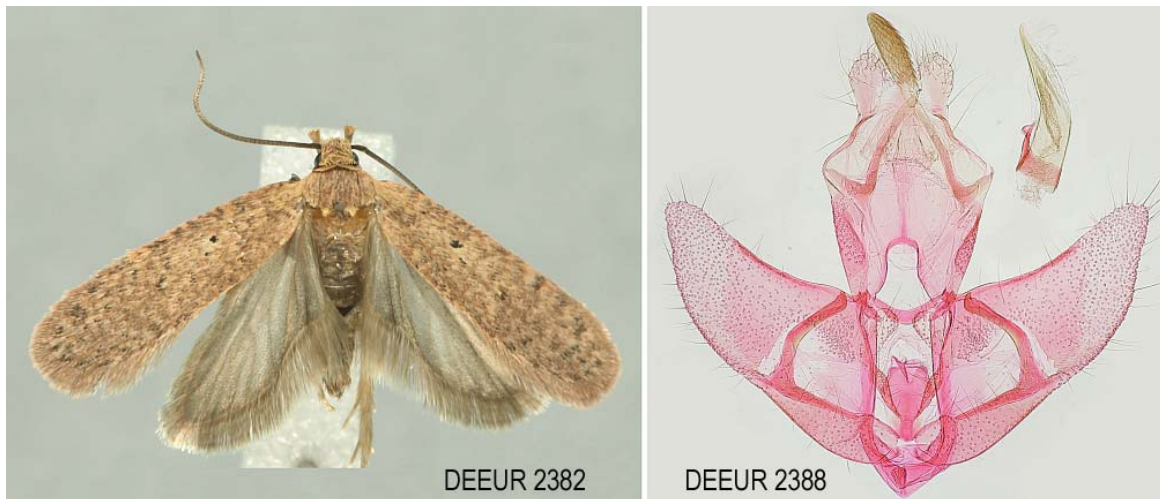


Fig. 29a - *Agonopterix tripunctaria*. Upperside (forewing 7,5 mm, estimated wingspan 17 mm) Nevşehir Province, near Ürgüp, 29 7 1996, DEEUR 2382, leg. K.E.Stovgaard, coll. ZMUC. **Fig. 29b** - Male genitalia of the same species GP DEEUR 2388. Kayseri Province, Erciyes Dağı, 28 9 1993, leg. F. Schepler, coll. ZMUC

30. *Agonopterix umbellana* (Fabricius, 1794)*

SW Turkey, Isparta Province, Sultan Dağları, 1400m, 21 5 1996, ♀, GP DEEUR 5401, leg. F. Schepler, coll. ZMUC

This record is also new to Isparta Province (Koçak & Kemal, 2009).



Fig. 30 *Agonopterix umbellana*. Upperside female (wingspan 24 mm) and genitalia GP DEEUR 5401, Isparta Province, Sultan Dağları, 1400m, 21 5 1996, leg. F. Schepler, coll. ZMUC

31. *Agonopterix yeatiana* (Fabricius, 1781)*

SW Turkey, Isparta Province, 35 km SW Akşehir, 1200m, 13. 5 2000, 1♀, leg., det. & coll. J. Junnilainen.

This record is also new to Isparta Province (Koçak & Kemal, 2009).



Fig. 31 - *Agonopterix umbellana*. Upperside female (wingspan 20 mm), Austria, 29 4 2014 (no photo available of a Turkish specimen)

32. *Depressaria absynthiella* (Herrich-Schäffer, 1856)*

Central Turkey, Afyonkarahisar Province, 14 km S Çay, 1760m, 10 7 2001, ♂, GP DEEUR 3265, leg. & coll. K. Larsen

Central Turkey, Kayseri Province, Erciyes Dağı, 2300m, 24 5 1997, 1♀, leg., det. & coll. J. Junnilainen

SW Turkey, Isparta Province, Sultan Dağları 30 km SW Akşehir, 16 7 1998, 1♀, leg., det. & coll. J. Junnilainen

SW Turkey, Isparta Province, Bağkonak, 22 7 1996, ♂, GP DEEUR 2392, leg. K.E. Stovgaard, coll. ZMUC

These records are also new to all Provinces mentioned above (Koçak & Kemal, 2009).



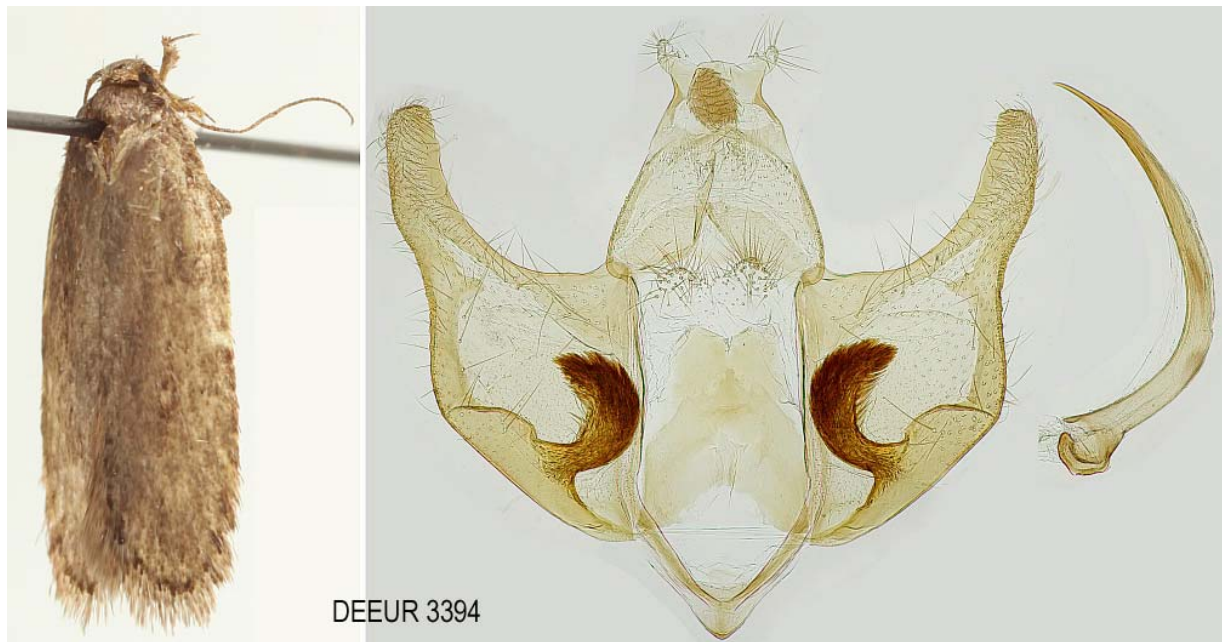
Figs. 32a,32b - *Depressaria absynthiella*. Upperside male (wingspan 17 mm) and genitalia GP DEEUR 2392, Isparta Province, Bağkonak, 22 7 1996, leg. K.E.Stovgaard, coll. ZMUC

33. *Depressaria afghanella* Amsel,1972*

This species had been described from South Iran (Amsel, 1972)

The present record is also new to Erzurum Province (Koçak & Kemal, 2009).

E Turkey, Erzurum Province, Kop geçidi, 1750m, 16 9 1993, ♂, GP DEEUR 3394, leg. M. Fibiger, coll. ZMUC



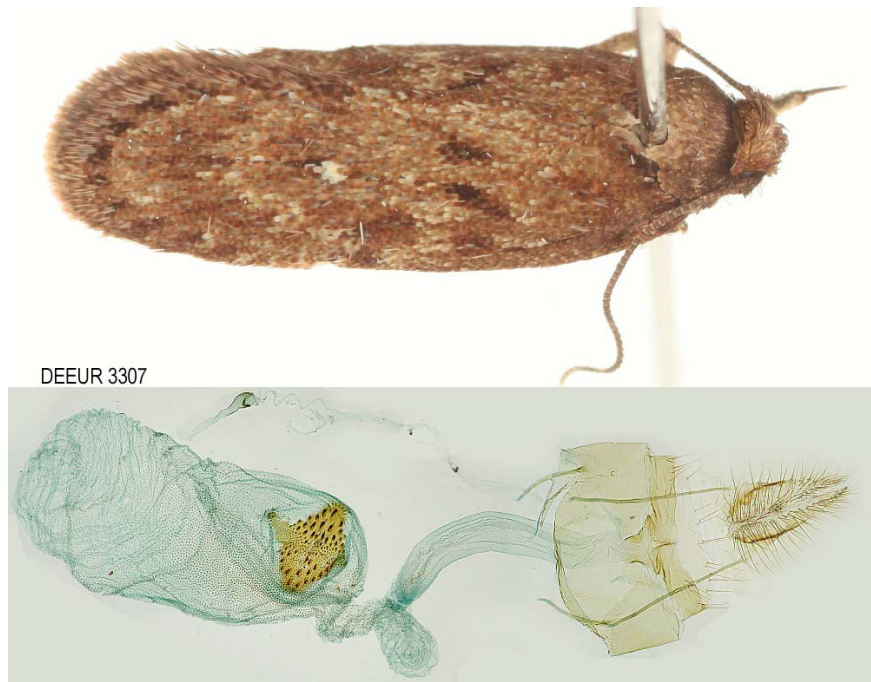
Figs. 33a,33b - *Depressaria afghanella*. Upperside male (forewing 8 mm, estimated wingspan 18 mm) and genitalia GP DEEUR 3394, Erzurum Province, Kop geçidi, 1750m, 16 9 1993, leg. M. Fibiger, coll. ZMUC

34. *Depressaria albipunctella* ([Denis & Schiffermüller],1775)*

N Turkey, Amasya Province, Ormanözü köyü, 870m, 19 7 2000, ♀, GP DEEUR 3307, leg. & coll. K. Larsen

SW Turkey, Isparta Province, Sultan Dağları 30 km SW Akşehir, 1500m, 16 7 1998, 5♂, leg., det. & coll. J. Junnilainen

These records are also new to Amasya and Isparta Provinces (Koçak & Kemal, 2009).



DEEUR 3307

Figs. 34a,34b - *Depressaria albipunctella*. Upperside female (forewing 9,5 mm, estimated wingspan 21 mm) and genitalia GP DEEUR 3307, Amasya Province, Ormanözü köyü, 870m, 19 7 2000, leg. & coll. K. Larsen

35. *Depressaria badiella* (Hübner,[1796])

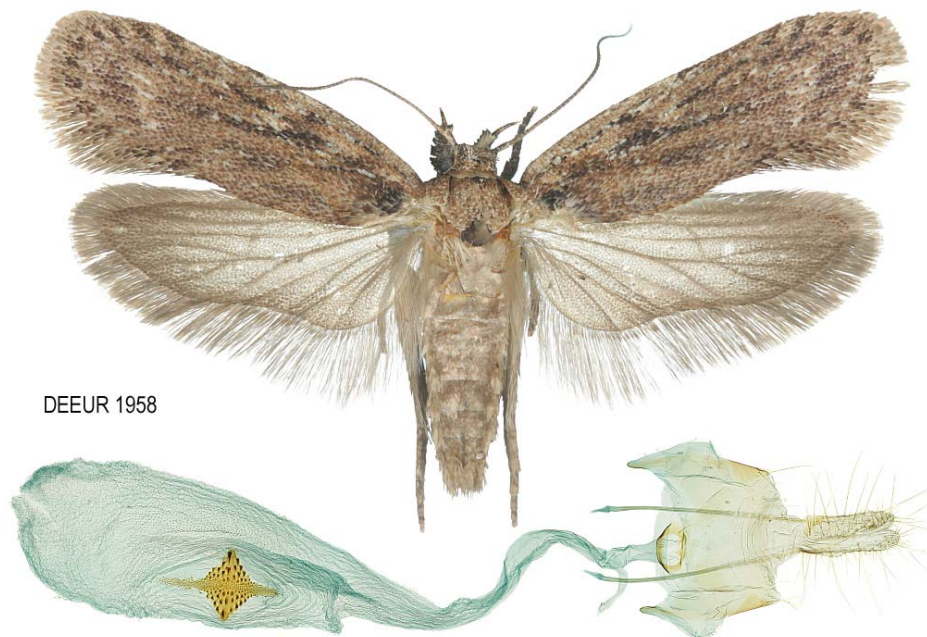
Central Turkey, Ankara Province, Çamlıdere, 1050m, 14 10 1993, ♀, GP DEEUR 3801, leg. F. Schepler, coll. ZMUC

Central Turkey, Konya Province, Sultan Dağları, 13 6 1974, ♀, GP DEEUR 1958, leg. W. Thomas, coll. Museum Dessau

N Turkey, Giresun Province, Şebinkarahisar, 1140m, 18 7 2000, ♀, GP DEEUR 3370, leg. & coll. K. Larsen

These records are new to Ankara and Giresun Provinces (Koçak & Kemal, 2009).

The description of *Depressaria pseudobadiella* had created a somewhat strange situation, because it can be distinguished from *D. badiella* only by female, but not by male genitalia or external features (Nel, 2011). Therefore all males are omitted from this list. So *D. badiella* may appear as rare, although it is a common and widespread species.



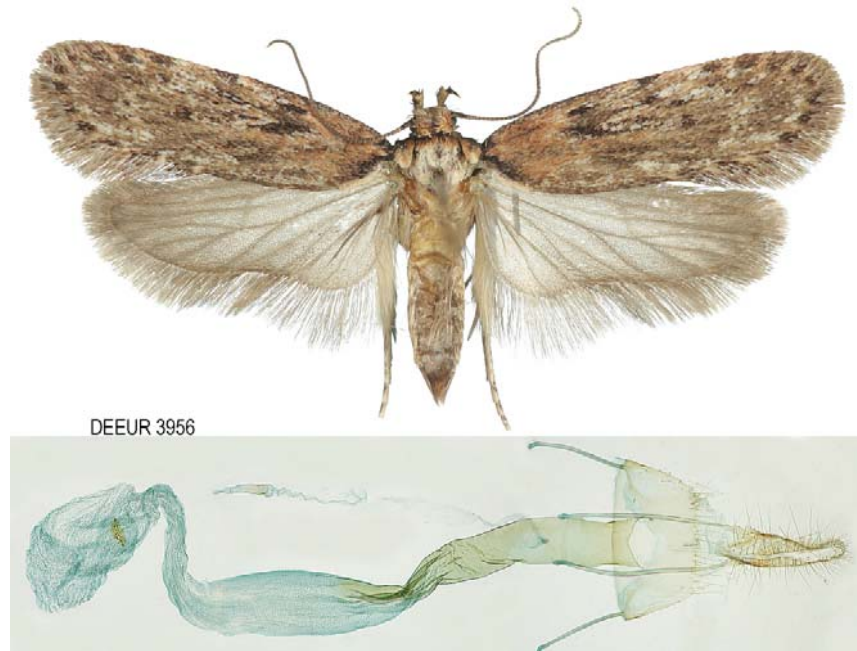
DEEUR 1958

Figs. 35a,35b - *Depressaria badiella*. Upperside female (wingspan 20 mm) and genitalia GP DEEUR 1958, Konya Province, Sultan Dağları, 13 6 1974, leg. W. Thomas, coll. Museum Dessau

36. *Depressaria chaerophylli* Zeller, 1839

NE Turkey, Ardahan Province, Göle (=Merdenik), 2600m, 26 8 1965, ♀, GP DEEUR 3956, leg. & coll. Achtelig & Naumann

This record is also new to Ardahan Province (Koçak & Kemal, 2009).



Figs. 36a, 36b - *Depressaria chaerophylli*. Upperside female (wingspan 22 mm) and genitalia GP DEEUR 3956, Kars Province, Merdenik, 2600m, 26 8 1965, leg. & coll. Achtelig & Naumann

37. *Depressaria depressana* (Fabricius, 1775)

N Turkey, Amasya Province, Ak Dağ, 1950m, 20 7 2000, DEEUR 3308, leg. & coll. K. Larsen
Central Turkey, Nevşehir Province, Avanos, 1200m, 2 8 1989, DEEUR 3386, leg. M. Fibiger, coll. K. Larsen
Central Turkey, Sivas Province, Gökpınar, 1500m, 25 7 1998, DEEUR 3193, leg. & coll. K. Larsen
E Turkey, Malatya Province, Gündüzbey, 1300m, 26 7 1998, DEEUR 3199, leg. & coll. K. Larsen
E Turkey, Erzincan Province, Kalecik, 1600m, 17 7 2000, DEEUR 3332, leg. & coll. K. Larsen

These records are new to Nevşehir, Sivas, Malatya and Erzincan Provinces (Koçak & Kemal, 2009). This species is determinable externally by its pale yellow thorax in combination with brown forewings without distinct patterns. Fresh specimens may be rather dark.



Fig. 37 - *Depressaria depressana*. Upperside (forewing 6,5 mm, estimated wingspan 15 mm) Erzincan Province, Kalecik, 1600m, 17 7 2000, DEEUR 3332, leg. & coll. K. Larsen

38. *Depressaria discipunctella* Herrich-Schäffer, [1854]

NE Turkey, Kars Province, Pash geçidi, 2020m, 10 9 1993, ♂, GP DEEUR 5403, leg. M. Fibiger, coll. ZMUC
NE Turkey, Gümüşhane Province, Köse dağı geçidi, 1850m, 16 7 2000, ♂, GP DEEUR 3352, leg. & coll. K. Larsen
Central Turkey, Yozgat Province, Çiçek dağları, 1300m, 1 7 2001, ♂, GP DEEUR 4344, leg. & coll. G. Baisch
Central Turkey, Ankara Province, Dutözü köyü, 1300m, 3 5 1992, ♂, GP DEEUR 4109, leg. & coll. Cs. Szaboky

Central Turkey, Ankara Province, Kızılcahamam, 1 7 1968, DEEUR3855, leg. J. Klimesch, coll. ZSM
 SW Turkey, Isparta Province, Sultan Dağları, 1800m, 9 7 2001, ♂, GP DEEUR 3139, leg. & coll. K.Larsen
 SW Turkey, Isparta Province, Bağkonak, 22 7 1996, DEEUR2366, leg. K.E.Stovgard, coll. ZMUC
 SW Turkey, Isparta Province, Sultan Dağları 30 km SW Akşehir, 1500m, 16 7 1998, 5♂, leg., det. & coll. J. Junnilainen
 S Turkey, Adana Province, Saimbeyli, 1200m, 29 7 1998, ♀, GP DEEUR 3253, leg. & coll. K. Larsen

These records are new to all Provinces mentioned above (Koçak & Kemal, 2009).



Fig. 38a *Depressaria discipunctella*. Upperside male (wingspan 22 mm) Yozgat Province, Çiçek dağları, 1300m, 1 7 2001, DEEUR 4344, leg. & coll. G. Baisch. **Fig. 38b** - Male genitalia of the same species GP DEEUR 3139, Isparta Province, Sultan Dağları, 1800m, 9 7 2001, leg. & coll. K.Larsen

39. *Depressaria douglasella* Stainton, 1849

Central Turkey, Kayseri Province, Erciyes Dağı, 28 9 1993, ♂, GP DEEUR 5402, leg. F. Schepler, coll. ZMUC
 SE Turkey, Diyarbakır Province, Ergani, 22 11 1939, ♂, GP DEEUR 3528, coll. MHNG

These records are new to Kayseri and Diyarbakır Provinces (Koçak & Kemal, 2009).



Fig. 39a, 39b - *Depressaria douglasella*. Upperside male (wingspan 20 mm) and genitalia GP DEEUR 3528, Diyarbakır Province, Ergani, 22 11 1939, coll. MHNG

Hannemann depicts male genitalia with such distinct biforked cuiller under *Depressaria beckmanni* Heinemann, 1870. But he had not seen the type of *D. beckmanni* (Hannemann, 1953), which is obviously lost. Therefore, Hannemann's interpretation of „*D. beckmanni*“ seems doubtful.

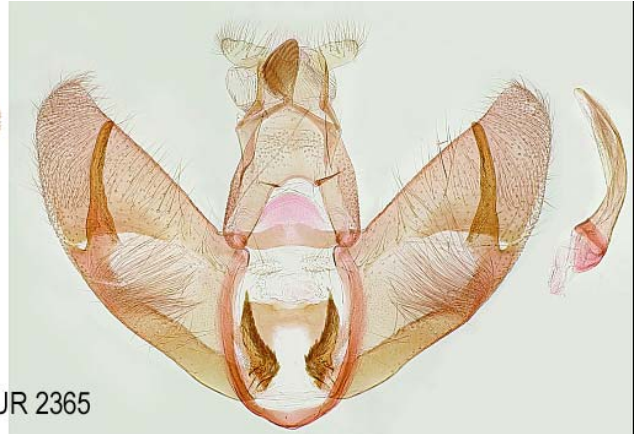
40. *Depressaria emeritella* Stainton, 1849*

E Turkey, Erzurum Province, Kop geçidi, 2400m, 14 9 1993, ♂, GP DEEUR 2365, leg. M. Fibiger, coll. ZMUC

This record is also new to Erzurum Province (Koçak & Kemal, 2009).



DEEUR 2365



Figs. 40a,40b - *Depressaria emeritella*. Upperside male (wingspan 23 mm) and genitalia GP DEEUR 2365, Erzurum Province, Kop geçidi, 2400m, 14 9 1993, leg. M. Fibiger, coll. ZMUC

41. *Depressaria eryngiella* Millière, 1881*

E Turkey, Erzurum Province, Kop geçidi, 1750m, 16 9 1993, DEEUR 2372, leg. M. Fibiger, coll. ZMUC

E Turkey, Malatya Province, Nurhak Dağı, 1900m, 7 7 1987, ♂, GP DEEUR 3105, leg. M. Fibiger, coll. K. Larsen

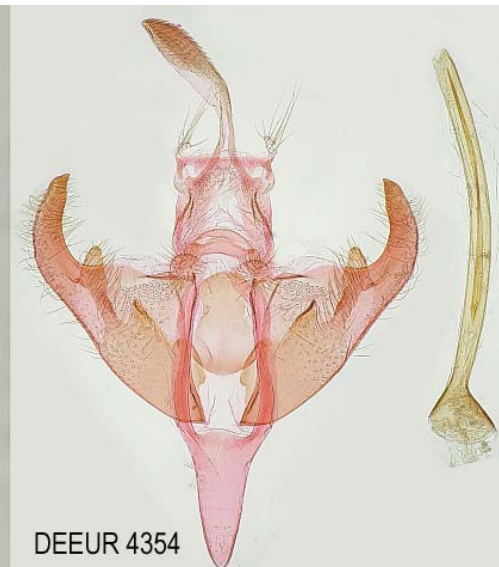
Central Turkey, Nevşehir Province, 7 km E Ürgüp, 18 5 2005, ♀, GP DEEUR 4471, leg. & coll. J. Junnilainen

Central Turkey, Konya Province, 55 km W Konya, 1300m, 28 7 1990, ♂, GP DEEUR 4345, leg. & coll. G. Baisch

These records are also new to Erzurum, Malatya, Nevşehir and Konya Provinces (Koçak & Kemal, 2009).



DEEUR 3272



DEEUR 4354

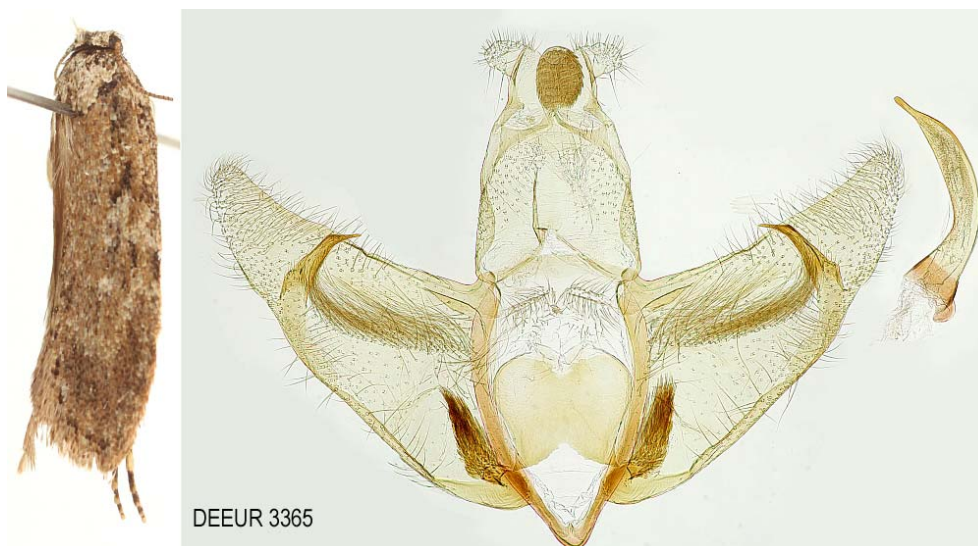
Fig. 41 *Depressaria eryngiella*. Upperside (wingspan 20 mm) Erzurum Province, Kop geçidi, 1750m, 16 9 1993, DEEUR 2372, leg. M. Fibiger, coll. ZMUC. **Fig. 41b** - Male genitalia of the same species GP DEEUR 4354, Konya Province, 55 km W Konya, 1300m, 28 7 1990, leg. & coll. G. Baisch

42. *Depressaria floridella* Mann, 1864

N Turkey, Tokat Province, Batmantaş, 1650m, 21 7 2000, ♂, GP DEEUR 3309, leg. & coll. K.Larsen

Central Turkey, Niğde Province, Sivrihisar geçidi, 1600m, 22 7 1998, ♂, GP DEEUR 3365, leg. & coll. K.Larsen

These records are new to Tokat and Niğde Provinces (Koçak & Kemal, 2009).



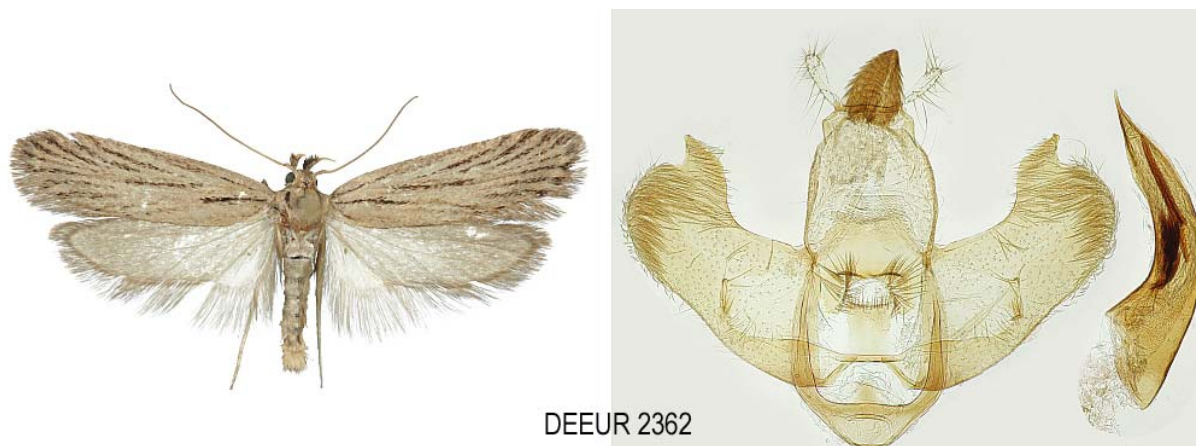
Figs. 42a, 42b - *Depressaria floridella*. Upperside male (forewing 9 mm, estimated wingspan 20 mm) and genitalia GP DEEUR 3365, Niğde Province, Sivrihisar geçidi, 1600m, 22 7 1998, leg. & coll. K.Larsen

This species had been described from Turkey, „Brussa“ (Mann, 1864). But the type series consisted of two different species, therefore Hannemann selected a lectotype to clarify this situation (Hannemann, 1988)

43. *Depressaria fuscovirgatella* Hannemann, 1967

NE Turkey, Gümüşhane Province, Kop geçidi, 2400m, 14 9 1993, ♂, GP DEEUR 2362, leg. M. Fibiger, coll. ZMUC
NE Turkey, Erzurum Province, 50 km NE Erzurum, 1600m, 17 9 1993, DEEUR 2363, leg. M. Fibiger, coll. ZMUC
NE Turkey, Kars Province, 7 km E Karakurt, 1700m, 27 9 1986, ♀, GP DEEUR 1925, leg. & coll. G. Derra
Central Turkey, Sivas Province, Gökpınar, 1500m, 1 8 1997, ♀, GP DEEUR 3306, leg. & coll. K. Larsen

These records are new to Gümüşhane, Erzurum, Kars and Sivas Provinces (Koçak & Kemal, 2009). The species was also reported from Saklıvadi (Van Province, East Turkey) (Kemal & Koçak, 2017).



Figs. 43a, 43b - *Depressaria fuscovirgatella*. Upperside male (wingspan 23 mm) and genitalia GP DEEUR 2362, Gümüşhane Province, Kop geçidi, 2400m, 14 9 1993, leg. M. Fibiger, coll. ZMUC

44. *Depressaria hirtipalpis* Zeller, 1854*

Central Turkey, Kayseri Province, Erciyes Dağı, 6 7 1902, ♂, GP DEEUR 0943, leg. Penther, coll. NHMV
Central Turkey, Sivas Province, 24 km E Zara 1750m, 20 9 1991, DEEUR 2355, leg. F. Schepler, coll. ZMUC
SW Turkey, Isparta Province, Sultan Dağları 30 km SW Akşehir, 1200m, 16 7 1998, 2♂, leg., det. & coll. J. Junnilainen
E Turkey, Erzincan Province, Kalecik, 1600m, 15 7 2000, ♂, GP DEEUR 3328, leg. & coll. K. Larsen

These records are also new to all Provinces mentioned above (Koçak & Kemal, 2009).



DEEUR 0943

Figs. 44a,44b - *Depressaria hirtipalpis*. Upperside male (wingspan 22 mm) and genitalia GP DEEUR 0943, Kayseri Province, Erciyes Dağı, 6 7 1902, leg. Penther, coll. NHMV

45. *Depressaria illepida* Hannemann, 1958*

This species had been described from Iran, based on a single male (Hannemann, 1958)
The present record is also new to Antalya Province (Koçak & Kemal, 2009).

S Turkey, Antalya Province, Saklıkent, 1850m, 19 10 2000, ♂, GP DEEUR 3102, leg. P. Svendsen, coll. K. Larsen



DEEUR 3102

Figs. 45a,45b - *Depressaria illepida*. Upperside male (wingspan 21 mm) and genitalia GP DEEUR 3102, Antalya Province, Saklıkent, 1850m, 19 10 2000, leg. P. Svendsen, coll. K. Larsen

46. *Depressaria kailai* Lvovsky, 2009*

This species had been described from Kazakhstan and Tajikistan (Lvovsky, 2009)
The present records are also new to Ağrı and Kahramanmaraş Provinces (Koçak & Kemal, 2009).

E Turkey, Ağrı Province, 15 km E Horasan, 1500m, 15 6 1991, ♀, GP DEEUR 4104, leg. & coll. Cs. Szaboky
S Turkey, Kahramanmaraş Province, „Achyrdagh, Bertiz Jaila“, 1800m, 13 6 1929, ♂, GP DEEUR 3858, leg. E. Pfeiffer, coll. ZSM



Figs. 46a, 46b - *Depressaria kailai*. Upperside male (wingspan 22 mm) and genitalia GP DEEUR 3858, Kahramanmaraş Province, „Achyragh, Bertiz Jila“, 1800m, 13 6 1929, leg. E. Pfeiffer, coll. ZSM

47. *Depressaria libanotidella* Schläger, 1849*

SW Turkey, Isparta Province, Sultan Dağları 30 km SW Akşehir, 1500m, 16 7 1998, 3♂, leg., det. & coll. J. Junnilainen
Central Turkey, Niğde Province, Bolkar Dağları N slope, 2100m, 28 7 1994, ♂, GP DEEUR 3112, leg. & coll. K.Larsen

The present records are also new to Isparta and Niğde Provinces (Koçak & Kemal, 2009).



Figs. 47a, 47b - *Depressaria libanotidella*. Upperside male (wingspan 21 mm) and genitalia GP DEEUR 3112, Niğde Province, Bolkar Dağları N slope, 2100m, 28 7 1994, leg. & coll. K.Larsen

48. *Depressaria marcella* Rebel, 1901

NE Turkey, Artvin Province, Yusufeli, 1000m, 18 7 1993, ♀, GP DEEUR 3380, leg. & coll. K. Larsen
NE Turkey, Kars Province, Karakurt, 1550m, 7 7 2000, DEEUR 3297, leg. & coll. K. Larsen
Central Turkey, Ankara Province, Ankara, 10 1 1941, ♂, GP DEEUR 3531, leg. J. Romieux, coll. MHNG
Central Turkey, Eskişehir Province, 9 5 1902, ♂, GP DEEUR 3670, leg. Penther, coll. NHMV
SW Turkey, Isparta Province, Sultan Dağları 30 km SW Akşehir, 1200m, 6 5 1996, 1♂, leg., det. & coll. J. Junnilainen
S Turkey, Antalya Province, Side, 16 5 1990, ♀, GP DEEUR 1484, leg. & coll. R. Keller
S Turkey, Antalya Province, 20 km W Antalya, 28. 4 1996, 1♂, leg., det. & coll. J. Junnilainen.
SE Turkey, Diyarbakır Province, Ergani, 7 3 1940, ♂, GP DEEUR 3525, leg. J. Romieux, coll. MHNG

The present records are new to all Provinces mentioned above (Koçak & Kemal, 2009).

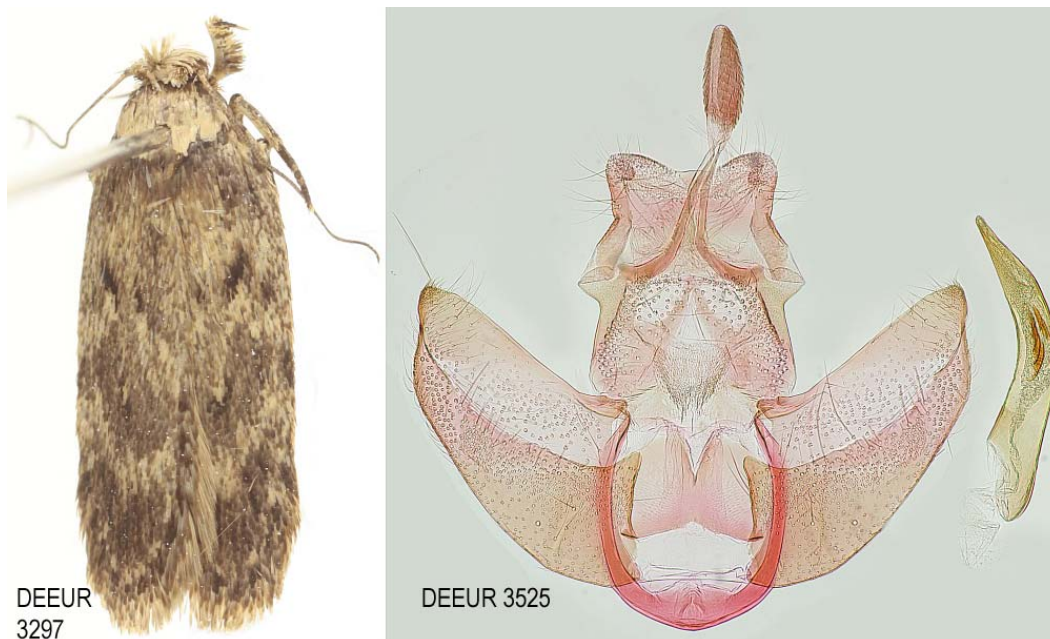


Fig. 48a - *Depressaria marcella*. Upperside (forewing 7 mm, estimated wingspan 16 mm) Kars Province, Karakurt, 1550m, 7 7 2000, DEEUR 3297, leg. & coll. K. Larsen. **Fig. 48b** - Male genitalia of the same species GP DEEUR 3525, Diyarbakır Province, Ergani, 7 3 1940, leg. J. Romieux, coll. MHNG

49. *Depressaria moranella* Chrétien, 1907*

NE Turkey, Artvin Province, Yusufeli, 900m, 21 7 1993, DEEUR 3311, leg. & coll. K. Larsen

E Turkey, Erzincan Province, Kemah, 1100m, 2 8 1997, ♂, GP DEEUR 3228, leg. & coll. K. Larsen

Central Turkey, Sivas Province, Gökpınar, 1500m, 25 7 1998, ♂, GP DEEUR 3187, leg. & coll. K. Larsen

S Turkey, Adana Province, Saimbeyli, 1200m, 29 7 1998, ♂, GP DEEUR 3243, leg. & coll. K. Larsen

The present records are also new to Artvin, Erzincan, Sivas, and Adana Provinces (Koçak & Kemal, 2009).

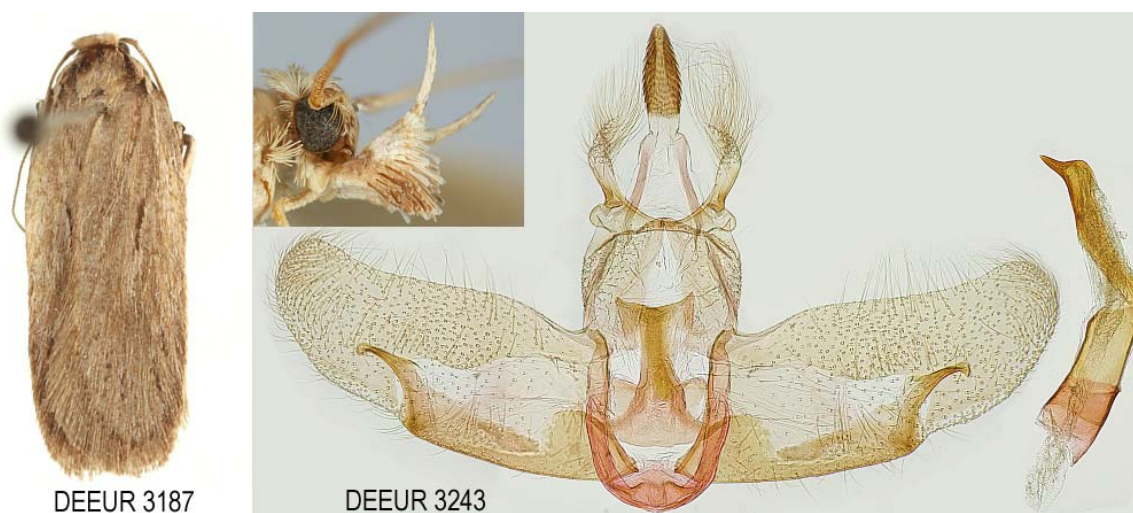


Fig. 49a *Depressaria moranella*. Upperside (forewing 9,5 mm, estimated wingspan 21 mm) Sivas Province, Gökpınar, 1500m, 25 7 1998, DEEUR 3187, leg. & coll. K. Larsen. **Fig. 49b** - Male genitalia of the same species GP DEEUR 3243, Adana Province, Saimbeyli, 1200m, 29 7 1998, leg. & coll. K. Larsen. **insert:** Palps, lateral view. The very long scales of second segment, which are darker in basal half of the segment, helps to separate this species from other *Depressaria* sp., which may have similar wing patterns.

50. *Depressaria olerella* Zeller, 1854*

Central Turkey, Afyonkarahisar Province, 14 km S Çay, 1760m, 10 7 2001, DEEUR 3271, leg. & coll. K. Larsen

Central Turkey, Niğde Province, Bolkar Dağları N slope, 2100m, 28 7 1994, DEEUR 3111, leg. & coll. K. Larsen

The present records are also new to Afyonkarahisar and Niğde Provinces (Koçak & Kemal, 2009). Fresh specimens can be usually determined by the two whitish „teeth“(green arrow) at caudal margin of thorax.



DEEUR 3271

Fig. 50 - *Depressaria olerella*. Upperside (forewing 9 mm, estimated wingspan 20 mm) Afyonkarahisar Province, 14 km S Çay, 1760m, 10 7 2001, leg. & coll. K. Larsen

51. *Depressaria parahofmanni* Hannemann, 1958*

This species had been described from Iran (Hannemann, 1958)

The following records are also new to Erzurum, Kayseri, Nevşehir and Sivas Provinces (Koçak & Kemal, 2009).

E Turkey, Erzurum Province, Kop geçidi, 1750m, 16 9 1993, ♀, GP DEEUR 2370, leg. M. Fibiger, coll. ZMUC
Central Turkey, Kayseri Province, İncesu, 1100m, 1 10 1993, ♂, GP DEEUR 2389, leg. M. Schepler, coll. ZMUC
Central Turkey, Nevşehir Province, Göreme, 6 10 1993, DEEUR 2391, leg. F. Schepler, coll. ZMUC
Central Turkey, Sivas Province, Gökpinar, 1500m, 25 7 1998, DEEUR 3191, leg. & coll. K. Larsen



DEEUR 2389

Figs. 51,51b - *Depressaria parahofmanni*. Upperside male (wingspan 17 mm) and genitalia GP DEEUR 2389, Kayseri Province, İncesu, 1100m, 1 10 1993, leg. M. Schepler, coll. ZMUC

52. *Depressaria peregrinella* Hannemann, 1967*

This species had been described from Iran (Hannemann, 1967)

The following records are also new to Yozgat, Nevşehir, and Kars Provinces (Koçak & Kemal, 2009).

Central Turkey, Yozgat Province, Çiçek dağları, 1300m, 26 7 2001, ♂, GP DEEUR 4362, leg. & coll. G. Baisch
Central Turkey, Nevşehir Province, Ürgüp, 21 7 1998, 1♂, leg., det. & coll. J. Junnilainen
NE Turkey, Kars Province, 17 km SW Sarıkamış, 2200m, 20 8 1965, ♀, GP DEEUR 3955, leg. & coll. Achtelig & Naumann



DEEUR 3955



DEEUR 4362

Fig. 52a *Depressaria peregrinella*. Upperside female (wingspan 16 mm) Kars Province, 17 km SW Sarıkamış, 2200m, 20 8 1965, DEEUR 3955, leg. & coll. Achtelig & Naumann. **Fig. 52b** - Male genitalia of the same species GP DEEUR 4362, Yozgat Province, Çiçek dağları, 1300m, 26 7 2001, leg. & coll. G. Baisch

53. *Depressaria pimpinellae* Zeller, 1839

E Turkey, Ağrı Province, 15 km E Horasan, 1500m, 13 5 1992, ♂, GP DEEUR 4096, leg. & coll. Cs. Szaboky

The present record is new to Ağrı Province (Koçak & Kemal, 2009).



DEEUR 4096



Figs. 53a, 53b - *Depressaria pimpinellae*. Upperside male (wingspan 19 mm) and genitalia GP DEEUR 4096, Ağrı Province, 15 km E Horasan, 1500m, 13 5 1992, leg. & coll. Cs. Szaboky

54. *Depressaria pseudobadiella* Nel, 2011*

E Turkey, Erzincan Province, Kalecik, 1600m, 15 7 2000, ♀, GP DEEUR 3327, leg. & coll. K. Larsen

The present record is also new to Erzincan Province (Koçak & Kemal, 2009).

Depressaria pseudobadiella is distinguishable from *D. badiella* only by the very large, elongated signum in female genitalia.



Fig. 54a,54b - *Depressaria pseudobadiella*. Upperside female (forewing 9 mm, estimated wingspan 20 mm) and genitalia GP DEEUR 3327, Erzincan Province, Kalecik, 1600m, 15 7 2000, leg. & coll. K. Larsen

55. *Depressaria radiella* Goeze, 1783

NE Turkey, Artvin Province, Kaçkar, Yaylalar, 2000m, 6 7 2001, ♀, GP DEEUR 3212, leg. & coll. K. Larsen

The present record is new to Artvin Province (Koçak & Kemal, 2009).



Figs. 55a,55b - *Depressaria radiella*. Upperside female (forewing 10 mm, estimated wingspan 22 mm) and genitalia GP DEEUR 3212, Artvin Province, Kaçkar, Yaylalar, 2000m, 6 7 2001, leg. & coll. K. Larsen

56. *Depressaria ruticola* Christoph, 1873*

N Turkey, Amasya Province, 1876, 1 ♀, GP DEEUR 3480 + 1 ♂, GP DEEUR 3673, leg. Staudinger, coll. NHMV

N Turkey, Giresun Province, Şebinkarahisar, 1140m, 18 7 2000, ♀, GP DEEUR 3369, leg. & coll. K. Larsen

The present records are also new to Amasya and Giresun Provinces (Koçak & Kemal, 2009).



Figs. 56a,56b - *Depressaria ruticola*. Upperside male (wingspan 20 mm) and genitalia GP DEEUR 3673, Amasya Province, 1876, leg. Staudinger, coll. NHMV

57. *Depressaria subalbipunctella* Lvovsky, 1981*

This species had been described from Russia (Lvovsky, 1981)

The following records are also new to Konya and Isparta Provinces (Koçak & Kemal, 2009).

Central Turkey, Konya Province, Ivriz, 1100m, 28 7 1997, ♂, GP DEEUR 3302, leg. & coll. K. Larsen

SW Turkey, Isparta Province, Sultan Dağları, 1800m, 9 7 2001, ♂, GP DEEUR 3134, leg. & coll. K.Larsen



Fig. 57a *Depressaria subalbipunctella*. Upperside (forewing 9 mm, estimated wingspan 20 mm) Isparta Province, Sultan Dağları, 1800m, 9 7 2001, DEEUR 3134, leg. & coll. K.Larsen. **Fig. 57b** - Male genitalia of the same species GP DEEUR 3302, Konya Province, Ivriz, 1100m, 28 7 1997, leg. & coll. K. Larsen

58. *Depressaria subhirtipalpis* Hannemann, 1958*

This species had been described from Iran (Hannemann, 1958)

The present record is also new to Erzurum Province (Koçak & Kemal, 2009).

E Turkey, Erzurum Province, Kireçli Geçidi, 2450m, 29 8 1993, ♂, GP DEEUR 3804, leg. F. Schepler, coll. ZMUC



Figs. 58a, 58b - *Depressaria subhirtipalpis*. Upperside male (wingspan 23 mm) and genitalia GP DEEUR 3804, Erzurum Province, Kireçli Geçidi, 2450m, 29 8 1993, leg. F. Schepler, coll. ZMUC

59. *Depressaria tenebricosa* Zeller, 1854

NW Turkey, Bursa Province, 1863, DEEUR 0695, leg. J. Mann, coll. NHMV

NW Turkey, Çanakkale Province, Kurudağı geçidi, 350m, 4 6 1989, DEEUR 4382, leg. & coll. G. Baisch

S Turkey, Antalya Province, 20 km W Antalya, 10. 5 1996, 8♂, leg. K. Nupponen & coll. J. Junnilainen., det. & coll. J. Junnilainen.

S Turkey, Urfa Province, Euphrat valley 2 km N of Halfeti, 7 5 1992, ♂, GP DEEUR 4092, leg. & coll. Cs. Szabóky

S Turkey, İçel (=Mersin) Province, 2 km N of Tarsus, 19 5 1969, ♀, GP DEEUR 0259, leg. F. Kasy, coll. NHMV

The present records are new to Çanakkale, Antalya, Urfa, and İçel Provinces (Koçak & Kemal, 2009).



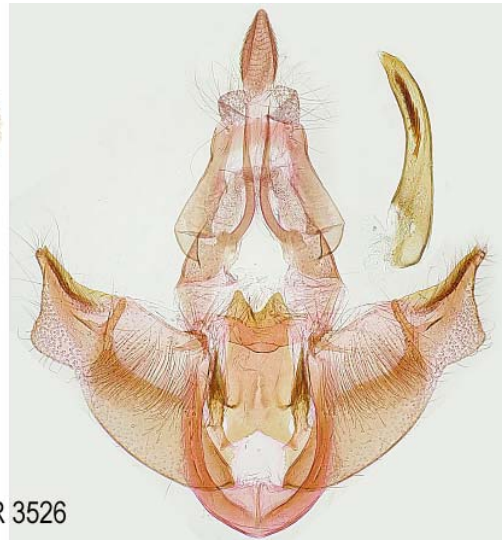
Fig. 59a - *Depressaria tenebricosa*. Upperside (wingspan 19 mm) Çanakkale Province, Kurudağı geçidi, 350m, 4 6 1989, DEEUR 4382, leg. & coll. G. Baisch. **Fig. 59b** - Male genitalia of the same species GP DEEUR 0659, Bursa Province („Brussa“), 1863, leg. J. Mann, coll. NHMV

60. *Depressaria uhulana* Rössler, 1866*

SE Turkey, Diyarbakır Province, Ergani, 24 9 1939, ♂, GP DEEUR 3526, coll. MHNG

E Turkey, Ağrı Province, 15 km E Horasan, 1500m, 15 6 1991, ♂, GP DEEUR 4103, leg. & coll. Cs. Szabóky

The present records are also new to Diyarbakır and Ağrı Provinces (Koçak & Kemal, 2009).



DEEUR 3526

Figs. 60a,60b - *Depressaria ululana*. Upperside male (wingspan 19 mm) and genitalia GP DEEUR 3526, Diyarbakır Province, Ergani, 24 9 1939, coll. MHNG

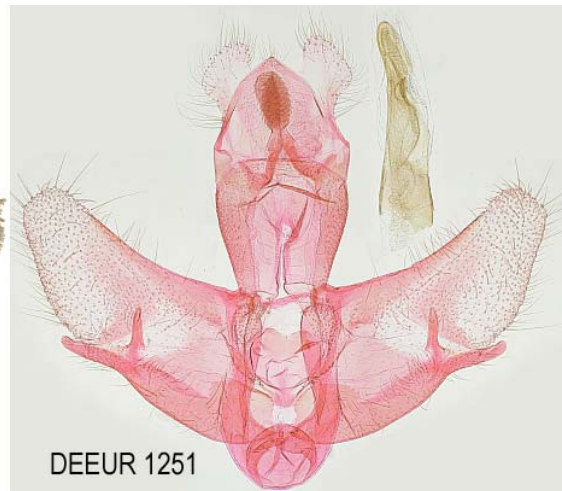
61. *Exaeretia ledereri* (Zeller, 1854)

NE Turkey, Trabzon Province, S of Trabzon, 500m, 7 6 1969, ♂, GP DEEUR 1671, leg. & coll. E. Arenberger
 NE Turkey, Artvin Province, Yusufeli, 900m, 21 7 1993, ♂, GP DEEUR 3313, leg. & coll. K. Larsen
 Central Turkey, Ankara Province, Şereflikoçhisar, 4 5 2001, ♂, GP DEEUR 1251, leg. & coll. M. Dvorak
 SW Turkey, Isparta Province, 30 km SW Akşehir, 1200m, 5 6 1999, 5 ♂, leg., det. & coll. J. Junnilainen
 SE Turkey, Mardin Province, without date, DEEUR 2490, ex coll. C.S.Larsen, coll. ZMUC

The present records are new to all Provinces mentioned above (Koçak & Kemal, 2009).



DEEUR 2490



DEEUR 1251

Fig. 61a - *Exaeretia ledereri*. Upperside (wingspan 25 mm) Mardin Province, without date, DEEUR 2490, ex coll. C.S.Larsen, coll. ZMUC. **Fig. 61b** - Male genitalia of the same species GP DEEUR 1251, Ankara Province, Şereflikoçhisar, 4 5 2001, leg. & coll. M. Dvorak

62. *Exaeretia niviferella* (Christoph, 1872)*

Central Turkey, Kayseri Province, 30 km SW Erciyes Dağı, 24 5 1997, 10♂, 2♀, leg., det. & coll. J. Junnilainen.
 Central Turkey, Eskişehir Province, 10 km E Eskişehir, 28 5 1964, DEEUR 0844, leg. J. Klimesch, coll. ZSM
 E Turkey, Ağrı Province, 15 km E Horasan, 1500m, 15 6 1991, DEEUR 4100, leg. & coll. Cs. Szaboky

The present records are also new to Kayseri, Eskişehir, and Ağrı Provinces (Koçak & Kemal, 2009).
 A distinct species, dissection not needed for determination



Fig. 62 *Exaeretia niviferella*. Upperside male (wingspan 21 mm) Eskişehir Province, 10 km E Eskişehir, 28 5 1964, DEEUR 0844, leg. J. Klimesch, coll. ZSM

63. *Exaeretia thurneri* (Rebel, 1941)*

NE Turkey, Gümüşhane Province, Şiran, 1300m, 24 7 1993, DEEUR 3384, leg. & coll. K.Larsen

The present record is also new to Gümüşhane Province (Koçak & Kemal, 2009).

This species can be safely determined by its distinct wing patterns rather than by genitalic dissection.

Genitalia mismatch by Hannemann had caused the publication of this taxon as „*Agonopterix thurneri*“ (Hannemann, 1953, repeated in Hannemann, 1995). Subsequently, he described *E. thurneri* as *Exaeretia nigromaculata* (Hannemann, 1989). The situation had been clarified by studying the types and associated genitalia slides (Buchner, 2015b)



Fig. 63 *Exaeretia thurneri*. Upperside male (forewing 9 mm, estimated wingspan 20 mm) Gümüşhane Province, Şiran, 1300m, 24 7 1993, DEEUR 3384, leg. & coll. K.Larsen

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